

AMENDMENTS TO THE CLAIMS

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A method of manufacturing a medical device comprising a total desired amount of a first and a second therapeutic agent disposed thereon:

 applying a first desired amount of a first therapeutic agent to a first portion of the medical device;

 determining a first actual amount of the first therapeutic agent, wherein the first actual amount is the amount of the first therapeutic agent disposed on the first portion of the medical device; and

 applying a second desired amount of a second therapeutic agent to a second portion of the medical device, wherein the second desired amount equals the difference between the total desired amount and the first actual amount,

wherein the first portion and the second portion are different.

2. (Original) The method of claim 1, wherein the first portion has a greater surface area than the second portion.

3. (Original) The method of claim 1, wherein the first therapeutic agent is disposed in a first coating and the second therapeutic agent is disposed in a second coating.

4. (Original) The method of claim 3, wherein the first coating defines a first plurality of reservoirs and the second coating defines a second plurality of reservoirs, the first therapeutic agent being disposed in the first plurality of reservoirs and the second therapeutic agent being disposed in the second plurality of reservoirs.

5. (Withdrawn) The method of claim 1, wherein the first and the second therapeutic agents comprise different compositions.
6. (Original) The method of claim 1, wherein the first and the second therapeutic agents comprise the same compositions.
7. (Original) The method of claim 1, wherein the first portion is exposable to a first area of a target site and the second portion is exposable to a second area of a target site, wherein the first and the second therapeutic agents have different release kinetics and wherein the different release kinetics are targeted to anatomical or pathological characteristics of the first area and the second area of the target site.
8. (Original) The method of claim 7, wherein the medical device further comprises a first coating in which the first therapeutic agent is disposed and a second coating in which the second therapeutic agent is disposed, wherein the different release kinetics are a result of the first and second coatings having different bioabsorption rates.
9. (Withdrawn) The method of 8, wherein the first and second coatings are different compositions.
10. (Currently amended) The method of claim 7, wherein the target site is a blood vessel and the anatomical characteristics of the first area and the second area result in the first area experiencing greater turbulent flow than the second area comprises the first area and the second area being exposed to different flow rates.
11. (Original) The method of claim 7, wherein the pathological characteristics of the first area and the second area comprises the first area and the second area being in different stages of disease.

12. (Original) The method of claim 7, wherein the pathological characteristics of the first area and the second area comprises the first area being diseased and the second area being non-diseased.

13. (Withdrawn) A method of manufacturing a medical device comprising a desired amount of a positive therapeutic agent disposed theron, the method comprising:

applying a desired amount of a positive therapeutic agent to the medical device;

determining an actual amount of the positive therapeutic agent, wherein the actual amount is the amount of the positive therapeutic agent disposed on the medical device;

determining if the actual amount of the positive therapeutic agent is greater than the desired amount of the positive therapeutic agent; and

applying a negative agent to the medical device if the actual amount of the positive therapeutic agent disposed on the medical device is greater than the desired amount of the positive therapeutic agent, wherein the negative agent has a neutralizing or opposing effect on the positive therapeutic agent.

14. (Withdrawn) The method of claim 13, wherein the negative agent is a therapeutic agent.

15. (Withdrawn) The method of claim 13, wherein the negative agent is ultraviolet light.

16. (Withdrawn) The method of claim 13, wherein the negative agent is heat.

17. (Withdrawn) The method of claim 13, wherein the negative agent is a conducting electroactive polymer.

18. (Withdrawn) The method of claim 13, wherein the desired amount of the positive therapeutic agent is encapsulated in microcapsules, the microcapsules further comprising the negative agent, the negative agent being a paramagnetic particle that is

capable of causing elimination of the microcapsules upon exposure of the medical device to an external magnetic field.

19. (Withdrawn) A method of manufacturing a medical device comprising a total desired amount of a therapeutic agent and a total desired amount of a different therapeutic agent comprising:

applying a desired amount of a therapeutic agent to a first portion of the medical device;

determining an actual amount of the therapeutic agent disposed on the first portion of the medical device;

applying an additional desired amount of the therapeutic agent on a second portion of the medical device, wherein the additional desired amount of the therapeutic agent equals the difference between the total desired amount of the therapeutic agent and the actual amount of the therapeutic agent;

applying a desired amount of a different therapeutic agent to a third portion of the medical device;

determining an actual amount of the different therapeutic agent disposed on the third portion of the medical device; and

applying an additional desired amount of the different therapeutic agent on a fourth portion of the medical device, wherein the additional desired amount of the different therapeutic agent equals the difference between the total desired amount of the different therapeutic agent and the actual amount of the different therapeutic agent.

20. (New) The method of claim 1, wherein the first portion and the second portion are sequentially disposed along a longitudinal axis of the medical device.

21. (New) The method of claim 1, wherein the first portion and the second portion are sequentially disposed along a transverse axis that is perpendicular to the longitudinal axis of the medical device.

22. (New) The method of claim 1, wherein the first portion and the second portion are disposed in a checkerboard fashion over a surface area of the medical device.